



15B

SEQUENCE LISTING

*MWB  
MC*

<110> Muir, Tom  
Cotton, Graham  
The Rockefeller University

<120> Multiple Sensor-Containing Polypeptides,  
Methods of Preparation and Uses Thereof

<130> RU 453

<140> 09/483,543

<141> 2000-01-14

<160> 9

<170> FastSEQ for Windows Version 3.0

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TECH CENTER 1600/2900

*B1*

<210> 1  
<211> 8  
<212> PRT  
<213> Artificial Sequence

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<223> Cleavage Site for PreScission Protease

<400> 1  
Leu Glu Val Leu Phe Gln Gly Pro  
1 5

<210> 2  
<211> 12  
<212> PRT  
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<223> Peptide Substrate

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Glu Ala Ile Tyr Ala Ala Pro Phe Ala Lys Lys Lys  
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<210> 3  
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<212> DNA  
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<220>  
<223> Primer

<400> 3  
aaaagaaaaa aaggcgccg ctcggatctg atcgaaggtc gttgtgcggg caacttcgac  
tcgg 60  
64

*Pub  
cl'd  
Cnd*

<210> 4  
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<212> DNA  
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gcaaaactggc tcttccgcag ccgctgaagt cctcatcgaa 40

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<223> Xa-Cys- (Crk-II) -Intein-CBD Construct

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Met Ala Ser Ser Arg Val Asp Gly Gly Arg Ser Asp Leu Ile Glu Gly  
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Arg Cys

*B1  
cont*

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<223> Cys-F1-PS-Biotin Construct

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<223> Xaa = Lys- [Dapa(F1)]

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<223> Xaa = [Lys- (Biotin)]

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Cys Gly Xaa Gly Leu Glu Val Leu Phe Gln Gly Pro Val Arg Lys Gly  
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Xaa Gly

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<223> High affinity ligand for the N-SH3 Domain of Crk

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Pro Pro Pro Ala Leu Pro Pro Lys Arg Arg Arg  
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*Part 2  
Cont'd*

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Lys Arg Gly Cys Ala Gly Asn Phe Asp Ser Glu Glu Arg Ser Ser Trp  
1 5 10 15

Tyr Trp Gly Arg Leu Ser Arg Gln Glu Ala Val Ala Leu Leu Gln Gly  
20 25 30

Gln Arg His Gly Val Phe Leu Val Arg Asp Ser Ser Thr Ser Pro Gly  
35 40 45

Asp Tyr Val Leu Ser Val Ser Glu Asn Ser Arg Val Ser His Tyr Ile  
50 55 60

Ile Asn Ser Ser Gly Pro Arg Pro Pro Val Pro Pro Ser Pro Ala Gln  
65 70 75 80

Pro Pro Pro Gly Val Ser Pro Ser Arg Leu Arg Ile Gly Asp Gln Glu  
85 90 95

Phe Asp Ser Leu Pro Ala Leu Leu Glu Phe Tyr Lys Ile His Tyr Leu  
100 105 110

Asp Thr Thr Leu Ile Glu Pro Val Ala Arg Ser Arg Gln Gly Ser  
115 120 125

Gly Val Ile Leu Arg Gln Glu Glu Ala Glu Tyr Val Arg Ala Leu Phe  
130 135 140

Asp Phe Asn Gly Asn Asp Glu Glu Asp Leu Pro Phe Lys Lys Gly Asp  
145 150 155 160

Ile Leu Arg Ile Arg Asp Lys Pro Glu Glu Gln Trp Trp Asn Ala Glu  
165 170 175

Asp Ser Glu Gly Lys Arg Gly Met Ile Pro Val Pro Tyr Val Glu Lys  
180 185 190

Tyr Arg Pro Ala Ser Ala Ser Val Ser Ala Leu Ile Gly Gly Asn Gln  
195 200 205

Glu Gly Ser His Pro Gln Pro Leu Gly Gly Pro Glu Pro Gly Pro Tyr  
210 215 220

Ala Gln Pro Ser Val Asn Thr Pro Leu Pro Asn Leu Gln Asn Gly Pro  
225 230 235 240

Ile Tyr Ala Arg Val Ile Gln Lys Arg Val Pro Asn Ala Tyr Asp Lys  
245 250 255

Thr Ala Leu Ala Leu Glu Val Gly Glu Leu Val Lys Val Thr Lys Ile  
260 265 270

Asn Val Ser Gly Gln Trp Glu Gly Glu Cys Asn Gly Lys Arg Gly His  
275 280 285

Phe Pro Phe Thr His Val Arg Leu Leu Asp Gln Gln Asn Pro Asp Glu  
290 295 300

Asp Phe Ser Gly Cys Gly Xaa Gly Leu Glu Val Leu Phe Gln  
305 310 315

*Dub  
Cltd  
Antd*

<210> 9  
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<223> Xaa = [Lys-(Biotin)]

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Tyr	Trp	Gly	Arg	Leu	Ser	Arg	Gln	Glu	Ala	Val	Ala	Leu	Leu	Gln	Gly
				20				25				30			
Gln	Arg	His	Gly	Val	Phe	Leu	Val	Arg	Asp	Ser	Ser	Thr	Ser	Pro	Gly
				35				40				45			
Asp	Tyr	Val	Leu	Ser	Val	Ser	Glu	Asn	Ser	Arg	Val	Ser	His	Tyr	Ile
					50			55			60				
Ile	Asn	Ser	Ser	Gly	Pro	Arg	Pro	Pro	Val	Pro	Pro	Ser	Pro	Ala	Gln
				65			70			75				80	
Pro	Pro	Pro	Gly	Val	Ser	Pro	Ser	Arg	Leu	Arg	Ile	Gly	Asp	Gln	Glu
					85				90			95			
Phe	Asp	Ser	Leu	Pro	Ala	Leu	Leu	Glu	Phe	Tyr	Lys	Ile	His	Tyr	Leu
					100				105			110			
Asp	Thr	Thr	Leu	Ile	Glu	Pro	Val	Ala	Arg	Ser	Arg	Gln	Gly	Ser	
				115			120			125					
Gly	Val	Ile	Leu	Arg	Gln	Glu	Ala	Glu	Tyr	Val	Arg	Ala	Leu	Phe	
				130			135			140					
Asp	Phe	Asn	Gly	Asn	Asp	Glu	Glu	Asp	Leu	Pro	Phe	Lys	Lys	Gly	Asp
				145			150			155				160	
Ile	Leu	Arg	Ile	Arg	Asp	Lys	Pro	Glu	Glu	Gln	Trp	Trp	Asn	Ala	Glu
					165				170			175			
Asp	Ser	Glu	Gly	Lys	Arg	Gly	Met	Ile	Pro	Val	Pro	Tyr	Val	Glu	Lys
				180				185				190			
Tyr	Arg	Pro	Ala	Ser	Ala	Ser	Val	Ser	Ala	Leu	Ile	Gly	Gly	Asn	Gln
				195				200			205				
Glu	Gly	Ser	His	Pro	Gln	Pro	Leu	Gly	Gly	Pro	Glu	Pro	Gly	Pro	Tyr
				210			215			220					
Ala	Gln	Pro	Ser	Val	Asn	Thr	Pro	Leu	Pro	Asn	Leu	Gln	Asn	Gly	Pro
				225			230			235				240	
Ile	Tyr	Ala	Arg	Val	Ile	Gln	Lys	Arg	Val	Pro	Asn	Ala	Tyr	Asp	Lys
					245			250			255				
Thr	Ala	Leu	Ala	Leu	Glu	Val	Gly	Glu	Leu	Val	Lys	Val	Thr	Lys	Ile
				260				265			270				
Asn	Val	Ser	Gly	Gln	Trp	Glu	Gly	Glu	Cys	Asn	Gly	Lys	Arg	Gly	His
				275				280			285				
Phe	Pro	Phe	Thr	His	Val	Arg	Leu	Leu	Asp	Gln	Gln	Asn	Pro	Asp	Glu
				290			295			300					
Asp	Phe	Ser	Gly	Cys	Gly	Xaa	Gly	Leu	Glu	Val	Leu	Phe	Gln	Gly	Pro
				305			310			315				320	
Val	Arg	Lys	Gly	Xaa	Gly										
				325											